

Notice of Proposed Rulemaking on ITS Architecture and Standards

Issue	Current Provisions	New TEA-21 Requirements	Intended Outcomes	Proposed Regulations (Excerpts)
ITS Transportation Planning	No provisions	Section 5206(e) directs that all ITS projects funded with highway trust monies must conform with the National ITS Architecture, standards and interoperability tests as they are developed.	<ul style="list-style-type: none"> • An ITS Integration Strategy is developed as part of the transportation planning process, through the involvement of all relevant stakeholders • ITS systems are planned with future integration opportunities “built in” • ITS investments work together towards regional and national interoperability (e.g., fire and rescue services can communicate with traffic control and transit services) • Enhanced interagency cooperation in the management and development of transportation systems • Key ITS projects and initiatives are targeted early in the planning process in order to facilitate more effective integration 	<ul style="list-style-type: none"> • §1410.214(a)(3) and §1410.322(b)(11-13) support development of integrated ITS development. (214 addresses statewide planning; 322 metropolitan planning.) Requires development of an ITS Integration Strategy, as well as identification of ITS projects and initiatives that directly support national interoperability. 322 also states that the National ITS Architecture should be used as a resource in the development of the ITS Integration Strategy. • §1410.310 stipulates that ITS planning will produce an agreement between MPOs, State DOTs, operators and other agencies that address policy and operational issues affecting the successful implementation of the ITS Integration Strategy.
ITS Project Development	23 CFR 655(d) enumerates project development rules; will be replaced by new regulations	Section 5206(e) directs that all ITS projects funded with highway trust monies must conform with the National ITS Architecture, standards and interoperability tests as they are developed.	<ul style="list-style-type: none"> • The ITS regional architecture is developed to guide the integration of ITS projects. It is consistent with the ITS integration strategy, based on the National ITS Architecture, and tailored to meet local needs • Stakeholders agree on concept of operations that addresses the various roles and responsibilities for implementing the ITS integration strategy • The National ITS Architecture is used as a resource in developing regional architectures and is tailored to meet local needs. It is also used as a resource in ITS project development • Sound systems-engineering principles become a routine part of project design • Enhanced interagency cooperation • ITS projects will provide for all information-sharing opportunities • USDOT-adopted ITS standards and interoperability tests will be used in ITS projects 	23 CFR 940 added: <ul style="list-style-type: none"> • Stipulates ITS regional architecture requirements • Shall include, at a minimum, a concept of operations and a conceptual design • Shall conform with the applicable ITS integration strategy • Requires that ITS projects be developed using a system engineering process • ITS projects must be consistent with the ITS regional architecture • Requirement to use the National ITS Architecture as a resource • May be updated initially and then updated as projects are initiated, or updated incrementally • Provides for information-sharing and interoperability • Must use applicable ITS standards and interoperability tests • Rule will be phased in over time

